

4

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Date: August 13, 2001



In re Application of:

DAVID J. EDLUND and WILLIAM A. PLEDGER

Filed : August 13, 2001

For : FUEL CELL SYSTEM WITH STORED HYDROGEN

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Pursuant to Applicants' duty of disclosure required under 37 C.F.R. § 1.56, Applicants are submitting the enclosed, completed PTO form 1449 with copies of each reference as required by 37 C.F.R. § 1.97 and 1.98. The listing of any reference or the submission of a copy of any reference shall not be deemed as an admission that the listed or submitted reference is prior art for this application.

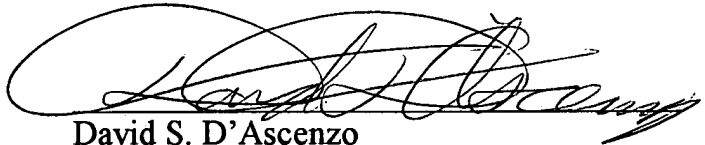
An English language abstract is provided for Japanese Patent No. 4-338101.

Applicants recognize that there are many references listed in the enclosed PTO 1449 Forms. However, Applicants are prosecuting dozens of applications related to the field of fuel processing systems and fuel cell systems, and accordingly are continuously receiving new information from Applicants' own searches, the U.S. Patent

and Trademark Office and foreign patent offices. Applicants appreciate in advance the Examiner's time and understanding.

Respectfully submitted,

KOLISCH, HARTWELL, DICKINSON,  
McCORMACK & HEUSER

A handwritten signature in black ink, appearing to read "David S. D'Ascenzo", written over a horizontal line.

David S. D'Ascenzo  
Registration No. 39,952  
Of Attorneys for Applicants  
520 S.W. Yamhill Street, Suite 200  
Portland, Oregon 97204  
Telephone: (503) 224-6655  
Facsimile: (503) 295-6679

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER  NPW 318		APPLICATION NUMBER			
		APPLICANTS DAVID J. EDLUND and WILLIAM A. PLEDGER					
		FILING DATE August 13, 2001		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	4,349,613	9/14/1982	Winsel				
	4,583,583	4/22/1986	Wittel, deceased				
	4,657,828	4/14/1987	Tajima				
	4,659,634	4/21/1987	Struthers				
	5,200,278	4/6/1993	Watkins et al.				
	5,229,222	7/20/1993	Tsutsumi et al.				
	5,366,818	11/22/1994	Wilkinson et al.				
	5,366,821	11/22/1994	Merritt et al.				
	5,432,710	7/11/1995	Ishimaru et al.				
	Re. 35,002	7/25/1995	Matsubara et al.				
	5,527,632	6/18/1996	Gardner				
	5,771,476	6/23/1998	Mufford et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	GB 1037423	5/13/1963	UK			X	
	JP 4-338101	11/1992	Japan				X
OTHER DOCUMENTS							
		English abstract of Japanese Patent No. 6176779, 1994.					
		English abstract of Japanese Patent No. 57-145276.					
EXAMINER				DATE CONSIDERED			

JCB97 U.S. PTO

09/29/2001



FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER	APPLICATION NUMBER
	NPW 318	
	APPLICANTS DAVID J. EDLUND and WILLIAM A. PLEDGER	
	FILING DATE	GROUP ART UNIT
	August 13, 2001	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5,795,666	8/18/1998	Johnssen			
	5,798,186	8/25/1998	Fletcher et al.			
	5,833,723	11/10/1998	Kuwabara et al.			
	5,861,137	1/19/1999	Edlund			
	5,991,670	11/23/1999	Mufford et al.			
	5,997,594	12/7/1999	Edlund et al.			
	6,103,410	8/15/2000	Fuller et al.			
	6,221,117	4/24/2001	Edlund et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	WO 00/02282	1/2000	WIPO			X	
	EP 1065741 A2	1/3/2001	EPO			X	

## OTHER DOCUMENTS

	English abstract of Japanese Patent No. 4-163860.
	English abstract of Japanese Patent No. 4-338101.
	Jørgensen, S. Lægsgaard, et al., "Application of Pd-Membranes for the Production of Pure Hydrogen in Methanol-Based Fuel Cell Powered Vehicles," Proceedings of Fourth Workshop: Optimisation of Catalytic Membrane Reactor Systems, ESF Network, Catalytic Membrane Reactors, Oslo, Norway, pp. 51-57 (May 30-31, 1997).
	Yang, Ralph T., "Gas Separation by Adsorption Processes," pp. 253-60, Butterworth Publishers, 1987.

EXAMINER	DATE CONSIDERED
----------	-----------------